

December 28, 1959

To: All Concerned

From: Clarence L. Johnson

Subject: BASIS FOR DESIGN TIME AT TEMPERATURE

- 25X1D
1. Consider basic aircraft operational life of five years. Be sure to include factors covered in my memo on design philosophy for [REDACTED]
 2. Assume four full-length refueled missions per month. This is $4 \times 12 \times 5 = 240$ total missions.
 3. Of these missions, 7 hours are at design temperature.
 4. $7 \times 240 = 1680$ hours for basic high temperature design.
 5. Above gives 28 high temperature hours/month. This is ample to cover training, etc.
 6. Critical skins could be replaced every 500 hours at temperature. This does not include fuselage nose but only a few wing panels and leading edges which might be critical.

Clarence L. Johnson

CLJ:vmp

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EXHIBIT NO. _____
NO CHANGE IN CLASS. ☐
CLASSIFIED
CLASS. CHANGED TO: TS (S) C 2012
NEXT REVIEW DATE: _____
AUTH: HR 70:2
DATE 8/6/82 REVIEWER: D10956